(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 12 May 2005 (12.05.2005)

PCT

(10) International Publication Number WO 2005/043227 A3

(51) International Patent Classification: H04N 5/225 (2006.01) H04N 5/74 (2006.01)

(21) International Application Number:

PCT/US2004/036430

(22) International Filing Date:

1 November 2004 (01.1 1.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/516,360

31 October 2003 (31.10.2003) US

(71) Applicant (for all designated States except US): DREXEL UNIVERSITY [US/US]; 32nd and Chestnut Streets, Philadelphia, PA 19104 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): HICKS, Andrew, R. [US/US]; 2429 Locust Street, Apartment 606, Philadelphia, PA 19106 (US).

(74) Agents: LICATA, Jane, Massey et al; Licata & Tyrrell PC, 66 E. Main Street, Marlton, NJ 08053 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

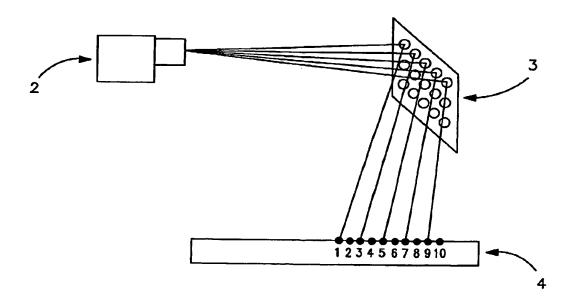
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 26 May 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DEVICES AND METHODS FOR IMAGING WITH CONTINUOUS TILT MICROMIRROR ARRAYS



(57) Abstract: Devices for producing high resolution photographic images of a scene (4) from assembled or mosaiced color values extracted from pixels of the scene (4) reflected by a micromirror array (3) to a photographic imaging system (2) are provided.

) 2005/043227 A3 |||